Q·7

RGBW LED flood blind strobe

Description

The Q-7 defined a new level of power, accuracy, and flexibility in the lighting world, well-known as one of the most versatile strobe flood lights in the industry. Not only is it a stunningly bright audience blinder, it is also a low-profile flood light and a wide-angle wash luminaire. Its excellent performance in any conditions is the primary reason why some of the top lighting designers choose the Q-7 as their main light for touring, events, theatrical productions, architectural installs, or corporate shows. Due to its revolutionary product features, the Q-7 won the prestigious PIPA Award for Best Lighting Product of the Year 2015.
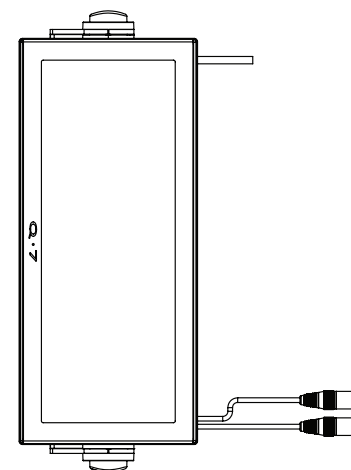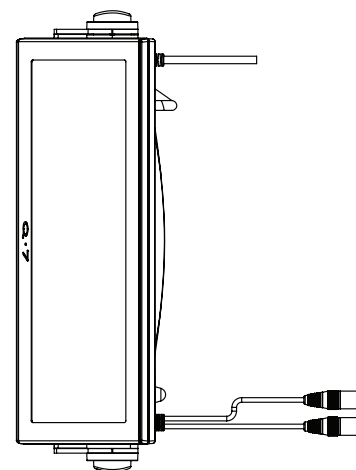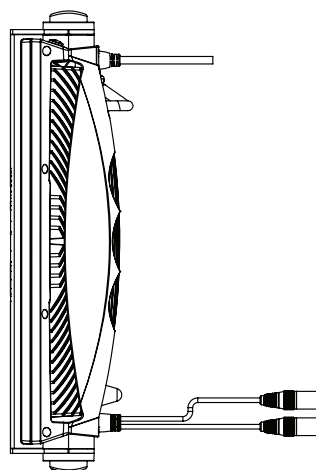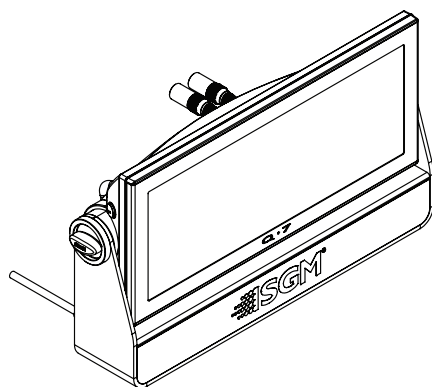
Features and benefits

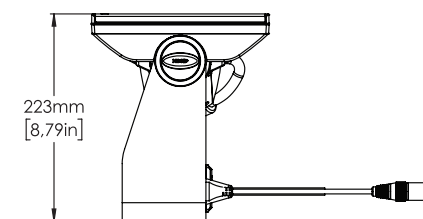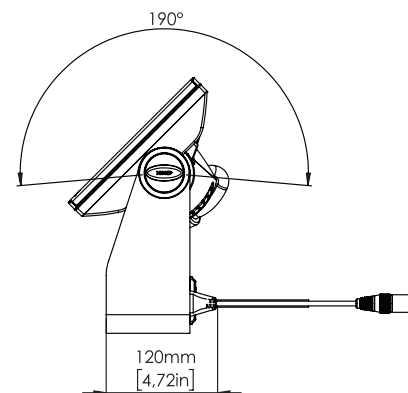- ✓ High performance IP65 RGBW LED light source
- ✓ Powerful high-speed strobe / More than 25163 lumens
- ✓ Accurate 16bit dimming performance
- ✓ Flicker-free / Programmable scenes
- ✓ 110º wide-angle coverage
- ✓ DMX, RDM, and wireless control
- ✓ 2000K - 10000K CTC control
- ✓ Practically maintenance-free

Certifications & classifications

IP65   RoHS   CE   ETL   ECO FRIENDLY

496mm
[19,53in]

437mm
[17,20in]

390mm
[15,35in]

144mm
[5,67in]

192mm
[7,55in]

Q·7

SGM

65mm
[2,55in]

456mm
[17,95in]

107mm
[4,20in]

268mm
[10,57in]

173mm
[6,79in]

90mm
[3,54in]

190°

120mm
[4,72in]

223mm
[8,79in]

SGM

Q·7

Q·7

Q·7

Photometric Report

SGM®
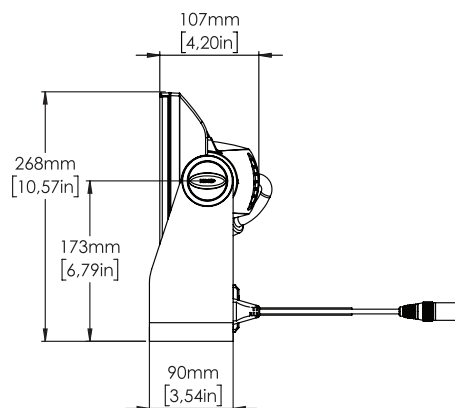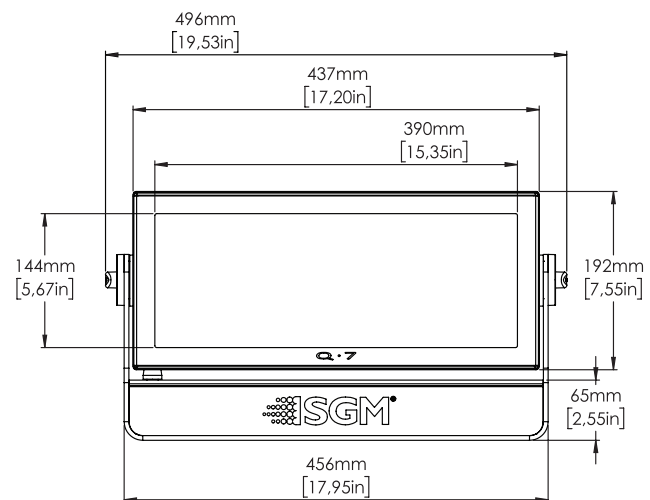
Manufacturer	SGM
Luminaire	Q-7 All on raw peak
Measurement Date	17-01-2018
Power Consumption	473 W
Light Output	25 163 lm
Field Angle	146.5 deg
Beam Angle	109.4 deg
Color Temperature	8 483 K

Lux Diagram

	0M	2M	5M	10M	50M
Beam Ø 10%		13.28m	33.21m	66.42m	332.11m
Beam Ø 50%		5.65m	14.13m	28.26m	141.32m
Intensity		2364 Lux	378 Lux	95 Lux	4 Lux

50% 109.4°
10% 146.5°
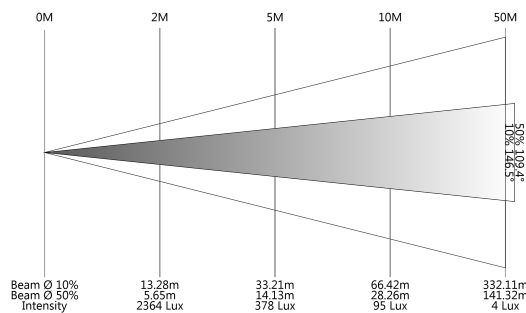
Polar Distribution
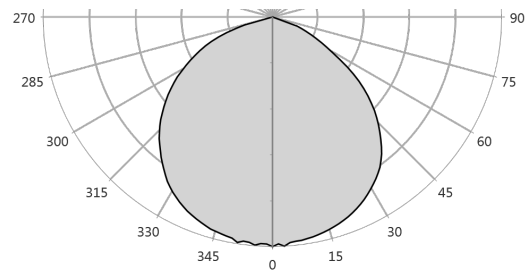
Beam Profile
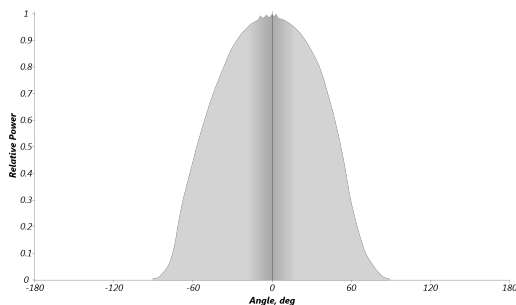
Spectral Distribution
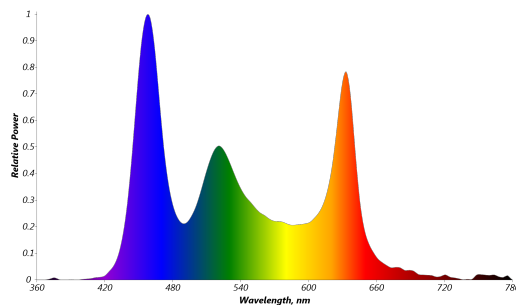
Specification

Optical Data

LED expected lifetime	50,000 hours
Lightsource	2,000 x RGBW SMD LEDs (5,700K)
Native lens options	110°
Optional filters	Extra medium angle soft diffusion, Q, external Extra wide angle soft diffusion, Q, external Elliptical horizontal effect, Q, external Elliptical vertical effect, Q, external

Photometric

Average CRI (CTC)	84
Color temperature range	2000K - 10000K
Efficacy	53 lm/W
Light output all LEDs on	25163 lm
Light output blue	1256 lm
Light output green	6948 lm
Light output red	3193 lm
Lumen per kilogram	3107 lm / Kg
Lux @ 10m	95 lux
Lux @ 3m	1051 lux
Lux @ 5m	378 lux
Native beam angle(s)	110° (with 110° lens)
Native field angle(s)	146°

Physical

Color options	Black - RAL 9004 Custom color - Any RAL White - RAL 9010
Effective Projected Area	1.72 Square ft
IP class	IP65
Lens material	Tempered glass front
Material	Aluminium
Net dimensions	497 x 268 x 122 mm
Net dimensions inches	19.6 x 10.6 x 4.8 inches
Net weight	8.1 kg (17.9 lbs)

Features

Color calibration	SGM proprietary, full color calibration
Dimming	2 Smooth fade in, DMX-controllable curves: gamma corrected, and linear
Filters	Optional external spread angle filters (requires Accessory Holder)

	Other	LED frequency control, display selectable
	Strobe	Ultra-high-speed strobe effects Intensity, Duration, Rate and FX control channels
	Tilt	0 - 190°
Electrical	Electrical protection	Overload protection
	Input voltage, absolute max. rating	190 - 264 VAC; 50 / 60 Hz
	Input voltage, nominal	208 - 240 VAC; 50 / 60 Hz
	Max inrush current 230VAC	45 A
	Max power consumption	465 W
	Power factor	0.99 PF (230 V)
	Power Supply Unit	Auto-ranging electronic switch-mode
	Standby power consumption	8 W
Programming and Control	16-bit control	Dimmer, Red, Green, Blue, White
	Cabled DMX	5 pin XLR input/output
	DMX channels	3, 4, 6, 8, 9 or 10
	DMX modes	7
	Protocol	USITT DMX512A Wireless DMX (LumenRadio) RDM ANSI E1.20
	Setting and addressing	OLED graphical display / 4 buttons RDM ANSI E1.20 RFID Standalone mode
	Standalone mode	Quick Color Standalone mode programmable via RFID Up to 24 programmable scenes
	Wireless DMX	Lumen Radio with RDM
Connections	DMX data in/out	2 IP65 XLR 5-pin cables 0.5m (permanently wired)
	Power	Power cable 1 meter with bare ends (permanently wired)
Installation	Mounting point	2 x 2 quarter-turn locking points for one or two Omega brackets
	Orientation	Any
	Rigging possibilities	Floor stand (included) or hanging (Omega clamps included)
	Safety features	Bottom mount for safety wire Minimum distance to combustible materials: 0.3 meter (11 in).

Thermal	Cooling	Active, Forced Air, Temperature-regulated
	Humidity (max.)	98 %
	Temperature range, operating	-40°C to 50°C
	Temperature range, start-up	-20°C to 50°C
	Temperature range, storage	-40°C to 80°C
	Thermal protection	Automatic overtemperature protection
	Total heat dissipation, max power	1586.6 BTU per hour
	Total heat dissipation, standby	27.3 BTU per hour
Included items	Included items	Wireless DMX antenna Mounting bracket (incl. screws) 2 Omega bracket with quater-turn fasteners Safety instructions and installation quick guide
Conforms To	CE - 2014/30/EU: EMC Directive	EN 55103-1 EN 55103-2 EN 55015 EN 61547 EN 61000-3-2 EN 61000-3-3
	CE - 2014/35/EU: Low Voltage Directive	EN 60598-1 EN 60598-2-17 EN 62471 EN 60529
	RoHS2 Directive	2011/65/EU
	UL	UL Std. 1573
Certified To	CSA	CSA E60598-1, Ed: 2 CSA-E598-2-17-98, Ed: 1

NOTES:

Due to continuous improvements and innovations, specifications may change without notice.

LEDs' expected lifetime provided by manufacturer and obtained under manufacturer's test conditions.

Zoom range defined as a minimum beam angle to a maximum field angle.

Photometric measurements obtained with Goniometer Scan / SGM Illumination Lab 1.6.0.0.

Lumen output in pixel products is calculated.

Ordering information

Qty	Product name	Item number
☐	Q-7 Color Flood, Std, BL	80030524
☐	Q-7 Color Flood, Std, WH	80030561
☐	Q-7 Color Flood, Std, CU	80030562
☐		

Qty	Accessories	Item number
☐	BCC-2 Dual Bracket	83060603
☐	BCC-4 Quad Bracket	83060604
☐	Omega Bracket with 1/4-turn fasteners	83060602
☐	4-way Barndoors for P·5, i·5, X·5, Q·7	83061120
☐	8-way Barndoors for P·5, i·5, X·5, Q·7	83061121
☐	Accessory Holder for X·5 & Q·7	83061123
☐	Color Frame for P·5, Q·7, X·5, i·5	83061122
☐	Floor Stand for P·5, X·5 & Q·7	83060610
☐	Flight Case for 4 pcs of P·5/Q·7/X·5	82051501
☐	Flight Case for 4 pcs of P·5/Q·7/X·5 incl. barndoors	82051502
☐	SGM USB uploader cable	83062011
☐	Vacuum Test Kit	83061136
☐	A·4	80070217
☐	RDM Addressing Tool	
☐	Spigot adapter for omega bracket	83060639
☐		